

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 118815		APPLICATION NO. New U.S. Patent Application	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANTS Kazuo ASANUMA et al.			
				FILING DATE February 23, 2004			

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
S	1	5,055,767	10/08/1991	NELSON		
S	2	5,278,490	01/11/1994	SMEDLEY		
S	3	5,583,752	12/10/1996	SUGIMOTO et al.		
S	4	5,844,403	12/01/1998	SUGIMOTO et al.		
			Z			

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
S	5	JP A 2002-252979 w/ abst & trans	09/06/2002	Japan		
S	6	JP B2 3161839 w/ trans	02/23/2001	Japan		
S	7	JP A 59-144364 w/ abst	08/18/1984	Japan		
			Z			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		

EXAMINER <div style="text-align: center; font-size: 1.5em;">Riley</div>	DATE CONSIDERED <div style="text-align: center;">Apr 05</div>
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Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Date: February 23, 2004